1.Sketch a graph of all ten functions

For each graph, find

a) domain

b) range

c) continuous or discontinuous (If discontinuous, name type)

d) increasing or decreasing

e) absolute extrema (max or min)

f) relative/local extrema

2. f(x) = x³ + 3 x² - 1

3. y = -x² + 4

4. h(x) = 3 / (x - 3)

For #5, only answer letter c and e

5. p(x) = (x² + 7 x + 10) / (x + 5)